

ABSTRACT

A display apparatus is provided, which comprises a display device including a display screen for displaying characters and/or graphics, in which each of the characters and/or graphics contains a basic portion and a neighboring portion arranged in the vicinity of the basic portion, and a control section for controlling the display device. The control section sets a luminance level of the basic portion and a luminance level of the neighboring portion in accordance with the intensity of light for irradiating the display screen. The control section controls the display device so that the character and/or graphics are displayed on the display screen using the set luminance level of the basic portion and the set luminance level of the neighboring portion.

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number
WO 2004/008425 A2

(51) International Patent Classification⁷: **G09G**
(21) International Application Number:
PCT/JP2003/008935
(22) International Filing Date: 14 July 2003 (14.07.2003)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
2002-207561 16 July 2002 (16.07.2002) JP
(71) Applicant (for all designated States except US): **SHARP
KABUSHIKI KAISHA** [JP/JP]; 22-22, Nagaikcho,
Abeno-ku, Osaka-shi, Osaka 545-8522 (JP).
(72) Inventors; and
(75) Inventors/Applicants (for US only): **KOYAMA,**

Noriyuki [JP/JP]; 4-19-14, Seikadai, Seikacho, So-
raku-gun, Kyoto 619-0238 (JP). **OKADA, Satoshi**
[JP/JP]; 5-11-10, Kunimidai, Kizucho, Soraku-gun, Ky-
oto 619-0216 (JP). **ASAI, Yoshimi** [JP/JP]; 18-28-408,
Abenomotomachi, Abeno-ku, Osaka-shi, Osaka 545-0034
(JP).

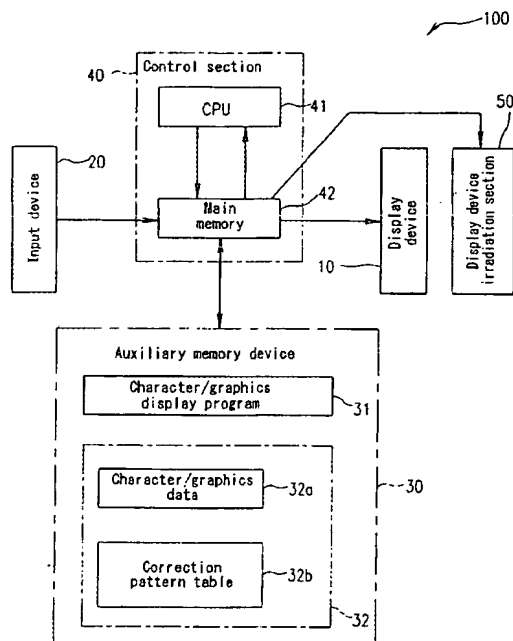
(74) Agents: **YAMAMOTO, Shusaku** et al.; Fifteenth Floor,
Crystal Tower, 2-27, Shiromi 1-chome, Chuo-ku, Osaka-
shi, Osaka 540-6015 (JP).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC,
SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: DISPLAY APPARATUS, DISPLAY CONTROL METHOD, PROGRAM AND RECORDING MEDIUM



(57) Abstract: A display apparatus is provided, which comprises a display device including a display screen for displaying characters and/or graphics, in which each of the characters and/or graphics contains a basic portion and a neighboring portion arranged in the vicinity of the basic portion, and a control section for controlling the display device. The control section sets a luminance level of the basic portion and a luminance level of the neighboring portion in accordance with the intensity of light for irradiating the display screen. The control section controls the display device so that the character and/or graphics are displayed on the display screen using the set luminance level of the basic portion and the set luminance level of the neighboring portion.



Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EP,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *without international search report and to be republished upon receipt of that report*